Bruhat Bangalore Mahanagara Palike
Dasarahalli Zone

Name of Work : Improvements and Maintenance of Community properties (Park) in ward no 12 Shettyhalli.

Estimated Cost : Rs 15.00 Lakhs	P code-P3292	Job No : 012-20-000111

Sl. No.	Description of work	Unit	Measurements				Qty	Rate	Amount
			No	L	B	D			
1	KSRB 2-1.1 : Earthwork in surface excavation in **ordinary soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1**(P. No. 5 / Item No. 2.1 of PWD SR 2018-19)**								
		cum	1	46.00	9.80	0.20	90.16		
							90.16	**268.92**	**24245.83**
	Basic Rate	249.00					Cum		
	Area Weightage @ 8%	19.92							
	Total	**268.92**							
2	**Earth work excavation for foundation of building** water sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of colds complete as per specifications.(**PWD SR 2018-19 P 5 It 2.4)**								
		Cum	1	46.00	0.90	1.05	43.47		
							43.47	**322.92**	**14037.33**
	Basic Rate	**299.00**					Cum		
	Area Weightage 8%	23.92							
		322.92							
3	KSRB 4-1.2 : Providing and laying in position plain **cement concrete of mix 1:3:6 with OPC** cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS **It No 4.2 PWD SR 2018-19)**								
		Cum	1	46.00	0.90	0.15	6.21		
							6.21	**5,609.52**	**34835.12**
	Basic Rate	5,194.00					Cum		
	Area Weightage 8%	415.52							
		5,609.52							
4	Providing and constructing **granite /trap/ baslat size stone masonry in foundation** with cement mortar 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications **(P No. 23, Item No. 5.6)**								
		Cum	1	46.00	0.75	0.60	20.70		

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							20.70	4,963.68	102748.18
	Basic Rate	4,596.00							
	Area Weightage 8%	367.68							
		4,963.68							
5	Providing and constructing **granite /trap/ baslat size stone masonry in basement** with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications **(Page No. 23, Item No. 5.9)**								
	For Basement	Cum	1	46.00	0.50	0.45	10.35		
					Net Qty		**10.35**	**5,921.64**	**61288.97**
	Basic Rate	5,483.00					Cum		
	Area Weightage 8%	438.64							
		5,921.64							
6	**Providing ruled pointing to coursed stone masonry** with cement mortar 1:3 20mm deep, after raking joints to depth of 20mm necely lining, including cost of materials, labour, curing complete as per specifications **(Page NO. 113, Item No. 15.3)**								
		Sqm	1	46.00		0.45	20.70		
					Net Qty		**20.70**	**153.36**	**3174.55**
	Basic Rate	142.00					Sqmt		
	Area Weightage 8%	11.36							
		153.36							
7	**Filling avaialble excavated earth** (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification **(Page No.6, Item No. 2.10)**								
		Cum		Qty as per It 1			**43.47**	217.08	**9436.47**
	Basic Rate	201.00					Cum		
	Area Weightage 8%	16.08							
		217.08							
8	Supplying and fixing **M.S. Rectangular poles made out of 2 equal angles** of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and **including providing 2 coats of approved quality paint** over one coat of shop painting (excluding cost of earthwork and concrete)(P.No.266,I.No.37.2)								
		Mtr	17	2.50			42.50		
							42.50	**910.54**	**38697.95**
	Basic-	859.00					Rmt		
	Add 6% Area weightage	51.54							
	Total	**910.54**							
9	Providing and fixing **M.S. Block pipe of 38mm dia,** of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete **including two coats of approved quality** paint over one coat of shop paint.(P.No.266,I.No.37. 4)								
		mtr	3x17	2.50			150.00		
	Basic-	408.00					**150.00**	**432.48**	**64872.00**
							mt		

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	Add 6% Area weightage	24.48							
	Total	**432.48**							
10	Providing **chain link fencing 50mm size of 8 guage** properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including **two coats of approved quality paint** over one coat of shop paint (Page no-266, Item no-37.3)								
		sqm	1	46.00		1.80	82.80		
							82.80	**757.90**	**62754.12**
	Basic-	715.00					Sqm.		
	Add 6% Area weightage	42.90							
	Total	**757.90**							
11	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **(P.No 12, It 4.6 of PWD SR 2016-17)** Coaping								
	Chain link Fencing	cum	17	0.50	0.50	0.45	1.91		
			2	42.00	0.50	0.100	4.20		
	Basic Rate	5422.00					**6.11**	**5747.32**	**35116.13**
	AW 6%	325.32					Cum.		
	Total	**5747.32**							
12	Light gauge steel frame structure (LGSFS) for dry wall panel system Providing and fixing factory finished custom designed structurally stable, corrosion resistant, cold formed wall structure, trusses, joists, purlins, connection accessories etc., made out of 0.95 mm thick galvanized steel coils, (AZ - 150 gms, Aluminium-Zinc alloy coated steel) having minimum yield strength of 550 Mpa, using computerized cold forming machine to 'C' type sections having a minimum web thickness of 89 mm, flange width 40 mm with 10mm lip as per drawings conforming to AISI specifications and IBC 2009 for cold formed steel and construction confirming to Indian standards as per IS: 800-1984, IS: 801-1975, IS:875- 1987(Part Ml) and IS:1893, the LGS frames shall be manufactured using computerized machine duly punched with dimple, service holes and slots at required location and supplied in assembled state using self tapping screws with corrosion resistant coating in accordance with ASTM B633 of specified pitch as per requirements or in a dismantled state , and mounted / firmly fixed to the existing plinth beam using self expandable carbon steel anchor bolts, 12 mm dia and 121 mm in length conforming to AISI 304 & 306 standards @ 500 mm c/c with a minimum embedment of 100 mm in RCC located at 300 mm from corners or from bottom LGS frames confirming to Specifications including all costs of labour, materials, fabrication, assembling, transportation, erection, incidental and unforeseen charges complete as per the directions of the engineer in charge of the work. **(P.No 317, It 38.60 of PWD SR 2018-19)**								
		kg	1	22.00	17.00		**374.00**		
				12.00	374.00		**4488.00**		
	Basic Rate	155.00					**4488.00**	**164.30**	**737378.40**
	AW 6%	9.30					Kgs		
	Total	**164.30**							

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13	KSRB 8.3-2 : Providing and laying to required line and slope roofing with semi-corrugated (Trafford) asbestos cement sheet 6mm. thick fixed with galvanised iron J or L hooks, bolts and nuts 8mm. dia C.I plain and bitumen washers, over the existing purlins, rafters and trusses including cost of materials, labour, complete as per specifications. **(P.No 48, It 8.60 of PWD SR 2018-19)**								
		Sqm	1	22.00	17.00		**374.00**		
	Basic Rate	374.00					**374.00**	**396.44**	**148268.56**
	AW 6%	22.44							
	Total	**396.44**							
							Sub Total		**1336853.60**
14	Add GST @ 12 %								**160422.43**
15	Add for unforseen charges and rounding off							**L.s**	**2723.96**
							Grand Total		**1500000.00**
	(Rupees Fifteen Lakhs Only)								

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2016-17 PRED SR 12-13
4. The Provisions made in the estimate are Necessary and essential.
5. This work is not included in any other work taken up

Assistant Engineer
Ward-12
BBMP, Bangalore

Asst. Exeutive Engineer
Shettyhalli Sub-division
BBMP, Bangalore

Exeutive Engineer
Dasarahalli division
BBMP, Bangalore

ADMINISTRATIVELY SANCTIONED FOR
(Rupees Fifteen Lakhs only/-
(15.00 Lakhs only)
Under the Head of Account P-3292
14th Finance Commission
Works
Registered as no EE(D.D.)/AS.156/20-21 Subject to conditions contained in Enclosed Memo
No EE/DD/AS/156/20-21 Dt:17.11.2020

JE/AE.

Exe. Eng
(DASARAHALLI) BBMP

ನಂ. EE/DD/TS/38/20-21 ದಿನಾಂಕ :17.11.2020
ರೂ. Fifteen Lakhs only/- (15.00 Lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

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